

Vendor: IBM

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Exam Name: IBM InfoSphere BigInsights Technical

Mastery Test v2

Version: Demo

QUESTION NO: 1

Which of the following options best describes the differences between a traditional data warehouse environment and a Hadoop environment?

- **A.** Traditional data warehousing environments are mostly ideal for analyzing structured data from various systems, while a Hadoop environment is well suited to deal with structured, semi-structured, and unstructured data, as well as when a data discovery process is needed.
- **B.** Hadoop environments are mostly ideal for analyzing structured and semi-structured data from a single system, while traditional data warehousing environment is well suited to deal with unstructured data, as well as when a data discovery process is needed.
- **C.** Typically, data stored in Hadoop environments is cleaned up before storing in the distributed file-system.
- **D.** Typically, data stored in data warehousing environments is rarely filtered and pre-processed. On the other hand, data injected into Hadoop environments is always pre-processed and filtered.

Answer: A

QUESTION NO: 2

What is Big SQL?

- **A.** Big SQL is a feature in Data Explorer that allows for indexing of data from SQL sources such as data warehouses.
- **B.** Big SQL is a feature in BigInsights that allows for native SQL query access for Hadoop, providing full ANSI SQL 92 compliance and standardSQL syntax such as joins, for data contained in a variety of formats such as structured Hive tables, Hbase tables, or csv and other delimitedfiles in HDFS.
- **C.** Big SQL is a feature in Streams that allows for real time analysis of data via standard SQL syntax.
- **D.** Big SQL is a feature in BigInsights that provides a SQL like interface to data contained in Hbase tables only. Other data sources in HDFS mustbe accessed via other means such as HiveQL.

Answer: B

QUESTION NO: 3

What is the InfoSphere BigInsights Credential Store?

A. The InfoSphere BigInsights credentials store is a table stored in the HBase relational database that stores passwords, tokens, and other potentially sensitive information.

- **B.** The InfoSphere BigInsights credentials store is a designated folder on the distributed file system (DFS) that stores passwords, tokens, and other potentially sensitive information.
- C. The InfoSphere BigInsights credentials store is a designated folder in the local file system (not HDFS) that stores the authorities and privileges for all users in the BigInsights environment.
- **D.** The InfoSphere BigInsights credentials store is a designated file defined by an environment variable that stores the authorities and privileges for all users in the BigInsights environment.

Answer: B

QUESTION NO: 4

What does ig Data?represent?What does ?ig Data?represent?

- **A.** A Hadoop feature capable of processing vast amounts of data in-parallel on large clusters of commodity hardware in a reliable, fault-tolerant manner.
- **B.** A concept and platform of technologies with the characteristics of the ? Vs? that is able to handle large amounts of unstructured, semi-structured, and structured raw data unlike traditional systems.
- **C.** A database feature capable of converting pre-existing structured data into unstructured raw data.
- **D.** Only data stored in the BIGDATA table in any relational database.

Answer: B

QUESTION NO: 5

How do existing applications usually connect to InfoSphere BigInsights using the Big SQL feature?

- A. Applications will connect using custom made connectors programmed in SPL.
- B. Applications will connect using standard JDBC and ODBC drivers that come with InfoSphere BigInsights.
- **C.** Applications will connect using the JAQL programming language.
- **D.** Applications will connect using either HiveQL or Pig programming languages.

Answer: B

QUESTION NO: 6

Which of the following components is NOT included in the BigInsights Basic Edition distribution?

A. Hadoop Distributed File System.

- B. Hive.
- C. Pig.
- D. BigSheets.

Answer: D

QUESTION NO: 7

Hadoop environments are optimized for:

- **A.** Processing transactions (random access).
- **B.** Low latency data access.
- C. Batch processing on large files.
- **D.** Intensive calculation with little data.

Answer: C

QUESTION NO: 8

Which of the following options DOES NOT describe an advantage of InfoSphere BigInsights on top of regular standalone Hadoop distributions?

- A. Integrated install
- B. BigSheets
- C. Adaptive MapReduce
- D. Support to HiveQL and PigLatin languages.

Answer: D

QUESTION NO: 9

For maximum stability, the recommended number of dedicated hosts in order to implement the high availability configuration for BigInsights (consisting of the HA manager, the NameNode, and the JobTracker) is:

- **A.** 1
- **B.** 2
- **C.** 3
- **D.** 4

Answer: C

QUESTION NO: 10

How do big data solutions interact with the existing enterprise infrastructure?

- **A.** Big data solutions must substitute the existing enterprise infrastructure; therefore there is no interaction between them.
- **B.** Big data solutions are only plug-ins and additions to existing data warehouses, and therefore cannot work with any other enterprise infrastructure.
- **C.** Big data solutions must be isolated into a separate virtualized environment optimized for sequential workloads, so that it does not interact with existing infrastructure.
- **D.** Big data solutions works in parallel and together with the existing enterprise infrastructure, where pre-existing connectors are used to integrate big data technologies together with other enterprise solutions.

Answer: D

QUESTION NO: 11

What is Hadoop?

- **A.** Hadoop is a single-node file system used as a base for storing traditional formatted data.
- **B.** Hadoop is a framework that allows for the distributed processing of large data sets across clusters of computers using a simple programming model.
- **C.** Hadoop is a universal Big Data programming language used to query large datasets.
- **D.** Hadoop is programming language capable of transforming raw, unstructured data into plain, regular data readable by traditional data warehouses.

Answer: B

QUESTION NO: 12

Which of the following options is NOT CORRECT?

- **A.** Big data solutions are ideal for analyzing not only raw structured data, but semi structured and unstructured data from a wide variety of sources.
- **B.** Big data solutions are ideal when all, or most, of the data needs to be analyzed versus a sample of the data; or a sampling of data isn nearlyBig data solutions are ideal when all, or most, of the data needs to be analyzed versus a sample of the data; or a sampling of data isn? nearlyas effective as a larger set of data from which to derive analysis.
- **C.** Big data solutions are ideal for Online Transaction Processing (OLTP) environments.

- A. InfoSphere BigInsights Express Edition.
- **B.** InfoSphere BigInsights Enterprise Edition.
- **C.** InfoSphere BigInsights Extended Developer Edition.
- **D.** InfoSphere BigInsights Advanced Enterprise Edition.

Answer: B

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